

SYSKONIP1500

The KONSTANTER SYSKONIP1500 (power factor control, single output, system power supply) is a single-channel, computer controlled laboratory power supply for universal use.

Equipped with active power-factor control (PFC), it supplies 1500 W of power at up to 60 V and max. 60 A with characteristic UIP curve.

Special switching controller technology and matching status controllers assure high dynamics and short response times.

The setting range for output voltage and output current can be restricted by specifying setting limits.

The analog interface is equipped with two programmable trigger inputs and three signal outputs, which can be linked to various device functions for indication, or for controlling external devices, and an auxiliary power output. Beyond this, monitor outputs and control inputs for voltage and current setpoints are available as well. Sensing leads allow for auto-sensing operation at the power consumer. Strict menu-driven operation supports highly diverse programming functions. The device is transformed into a freely programmable test-signal generator by means of an expanded sequence memory and extra functions.

- Mains power input with power factor control (PFC)
- Highly efficient, low power loss
- Auto-ranging output with 1500 W of power
- Output: voltage and current regulated
- Characteristic UIP curve
- Very short response times
- Excellent dynamic control parameters
- Minimal residual ripple
- Output on/off function
- Comprehensive calibration report
- Dynamic sink mode operation
- Lockable controls
- Master-slave operation for parallel and series connection
- Sequence functions with sequence control for creating voltage and current sequences
- Overvoltage, overcurrent and overtemperature protection
- Calibrating procedure for menu-driven balancing
- USB and RS 232 interfaces (complete control of the device)
- Floating output terminals on the rear panel
- Analog interface
- Dimensions, benchtop device: 447 x 102 (88) x 541 (501) mm for 19" rack: 19" x 2 standard height units x 501 mm

- See optional accessories and software beginning on page 121
 - IEEE 488 interface
 - Driver software
 - GM PSP-SFP operating software

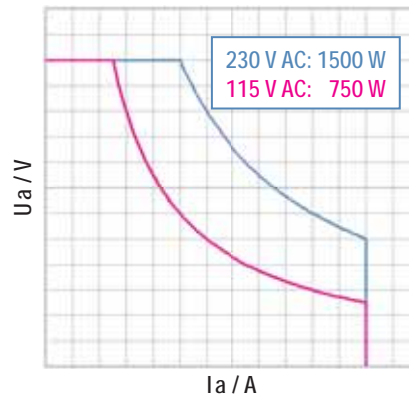


Scope of delivery:

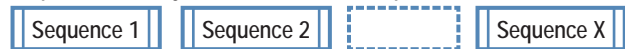
- KONSTANTER
- Mains power cable
- Installation set for rack mounting
- CD with drivers and operating software, PDF including data sheet and operating instructions
- Operating instructions
- DKD calibration certificate



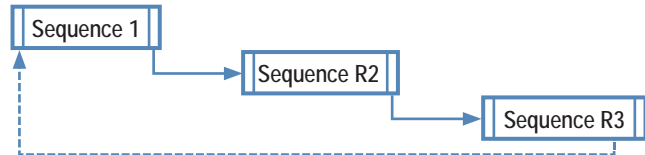
UIP Curve



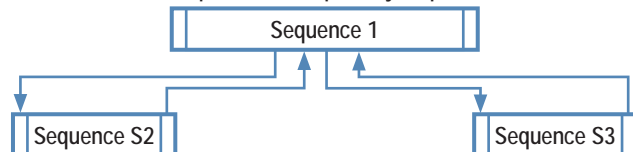
■ Sequence memory: 1536 locations for sequence functions



■ Sequence stringing



■ Retrieval of sub-sequences from primary sequences



Type	Data Sheet No.	Article Number
1500 W SYSKON P1500	3-349-437-03	K353A
IEEE 488 interface	3-349-437-03	K384A

